Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	02/13/2019 09:28 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	01/02/2019 10:47 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	72756	Expiration Date:	10/31/2019
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124483	-1	2.63	124573	2.62
Blue	F	SSC	125000	124014	-1	4.35	124845	4.26
Blue	E	FITC	16694	16249	-3	4.14	378	22.01
Blue	D	PE	32792	32257	-2	3.50	711	16.30
Blue	B	PerCP-Cy5-5	44451	44262	-1	4.93	1215	23.06
Blue	A	PE-Cy7	33645	33755	0	7.50	612	48.94
Red	C	APC	47008	46561	-1	3.18	1802	13.57
Red	A	APC-Cy7	32298	31974	-2	3.04	801	14.35
Violet	B	V450	8961	8663	-4	5.34	480	15.09
Violet	A	V500	32726	31373	-5	5.10	758	11.68

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	20369	4.83	608	-5	N/A	N/A	Pass
Blue	F	SSC	56180	3.87	578	10	N/A	N/A	Pass
Blue	E	FITC	63	68.96	565	2	0.0149	70	Pass
Blue	D	PE	141	57.14	569	3	0.1350	296	Pass
Blue	B	PerCP-Cy5-5	225	55.23	674	3	0.0073	38	Pass
Blue	A	PE-Cy7	122	117.89	729	3	0.0085	18	Pass
Red	C	APC	410	29.39	615	2	0.0188	158	Pass
Red	A	APC-Cy7	198	32.54	587	2	0.0045	1204	Pass
Violet	B	V450	71	71.88	483	-3	0.0431	2455	Pass
Violet	A	V500	107	38.94	492	-4	0.0191	948	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.79	-32.29	1.09
Blue	20.34	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.48
Red	17.26	13.60 - 20.40	N/A	N/A	29.35	29.85	1.21

Window Extension: 7.00
FSC Area Scaling Factor: 0.90

Threshold

Threshold (FSC): 9586

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments